# The property of the state of th

# 1/6 POLYMORPHISMS IN THE FCER1A GENE

		GAATCCTGGA			
TAAAGGAGAA	AGGGAGATCA	TGTTGGGAAA	TTATAATATT	AAAAGTAAAC	100
AAAAGCTAGG	AAGTAAAATA	AAATAAATTA	TATGGCCTAG	ATCCCCATAA	
	AACTTCTGCC		CTGAGCCAGA	TTAGGGCACA	200
GTAGAGAAAG	AGGAGTCTCT	GAAAATGTTT		TGGTCAGACA	200
		ATGAAAATTT		GCACTAACTG	200
	AATTAAACAA				300
		GCCATGCTCC	GGTAGCTCTG	GTGAATCCCA	
				TAAACAGTAC	400
ATCATATGAC		ACTTAGGGGT	TAGATTTTAT	GTGTTTGAAC	
		GTTGGCACCC		TACTTAACCT	500
		GTTTATAAAA		GATAGTATGT	
ACTITATAGG	ATTATTGTGA	AAAATAAATG		TTTATTTAGG	600
			G		
		GGTATTCAGT		TGCTGTTTTA	
	CCTTGCATCC	CACTTTTCTA	AGTTGTAAAC	TAAATAGTTG	700
C					
		GAAAGGCTTG			
		GGTGTATATG			800
GAGTAAGTGG	GTAAATATTA	AATTGCCCAG	TTGGGCACCA	TCCTGAATAT	
TATCTCTAAA	GAAAGAAGCA	AAACCAGGCA	CAGCTGATGG	GTTAACCAGA	900
TATGATACAG	AAAACATTTC	CTTCTGCTTT	TTGGTTTTAA	GCCTATATTT	
С	${f T}$				
GAAGCCTTAG	ATCTCTCCAG	CACAGTAAGC	ACCAGGAGTC	CATGAAGAAG	1000
ATGGCTCCTG	CCATGGAATC	CCCTACTCTA	CTGTGTGTAG	CCTTACTGTT	
	2: 1001				
CTTCGGTAAG	TAGAGATTCA	ATTACCCCTC	CCAGGGAGGC	CCAAATGAAT	1100
		A			
	105	5]			
TTGGGGAGCA	GCTGGGGTAG	GAACCTTTAC	TGTGGGTGGT	GACTTTTTCT	
AGGACATGTG	CAAACTATTG	GGCATTTCCC		TAGTGGAGCC	1200
		GTGGGCTGAG			1200
AGACTGAAAG		TGCATTTGCT		CCAGAGTGCA	1300
		AGGGTAGAGG			1500
CCCCTGATTC	TCATTCCTGA		GGTCCTTAAA		1400
		CCAGATTCTA			1400
		CCTCTCTGGA			1500
110100100110	C	A	CITITIGCAGC	1CCAGATGGC	1500
[exon	3: 1490	А	/		
L		TGTTCTTGTT	CCCTTCCTCT	ለ ጥር እ አ <i>ር</i> እ ጥር መ	
010111100110	1510		CCCIIGGIGI	AICAACAIGI	
CTGGGCATTG		ACTATTTTCT	ጥሮርሞሮርሮአሞር	» Сттстсстт	1 (00
TCTAATGAGC	ΔΤαλλτατατ	TCCTTGGCCA	CACTACTT	CCTCTCTGCTT	1600
T	MICAMICIGI	ICCIIGGCCA	GACIACITIC	CCTCTCCACC	
	ափանափանա	TCCCTGATTC	$\Delta$ The Control of t	ርጥር እ እ ርመረ » መ	1700
TCTCTCCTCT	Chataiii	TOCOTOWILD	CTCCTTCCATICT	UI CAAGICAT	1700
TCATTCTCTC	TCCTACACAC		TOTAL TOCACA	TATACATGTC	1000
TOUTTOICE TOUTTOICE	TOCINGACAC	TITGGCATGA	TCTCGCTCAA	TAATTACATT	1800
ATTATTATTA	ACAMCCOMA	ATAATTGAGG	ATGUTGAAAC	TCAGTGATTT	
TCTGGTGGTT	ACAIGGCTAA	GGAACTGGAT	TTCAACGTAA	GTTCCTTGGA	1900
TCTAAGTCCA					
ATCTACTTCT	TTGGTCTCTG	TTCAAATTTG	CACTACATCC	CCTTGTTCCA	2000
GGAAGCCATT	CAAGACTGAC	TTTCTTAGTG	CCTCTCACTA	CTTTCTGGAA	

,			2/6		
CTGACATATG	TTTTTCACTC	TGTATATACT	TACAATTAAA	TAGTCATAAA	2100
TATTCAGAGC	TTGGAGAAAC	CTTATATTTC	ATCCAGTCCA	GTAAATTTAT	
CCATCCATAA	TTCACTCATT	CATTCACATA	ATAAATATTT	AATGTAACAA	2200
TGGTTGAACA	TGGCAGACAG	TGTTTCTACC	TCAAAAGAGA	TTGCAGTCCT	
CATTTACAGA	TACTGAATTG	AAATTAACAG		AGTCAGCTCA	2300
AATCACATAG	TGAATTGGTT	TCTTTGTTTT		GCATATGTGT	
CCTGTCTTTC	TCCCTGTGTT	GGGCGTTCCC	TGGGGCACCA		2400
CTCCTTCCCC	TAGAAATCAA	AACAGGGTCT		AGAATAAGGA	2100
0100110000	111012111111111111111111111111111111111	G	1711 0710 07110	710721717210011	
CAGGTTGACC	ACTGATTGTC	AGAATATTGC	TTCGTTTGTA	CTTTTAAGCC	2500
TAGACAGTTT	TCAATGACTT	TTTTTCTCTC	TACATGTCTT	TTCATATTTT	2300
	AAGTCCCTCA	GAAACCTAAG	GTCTCCTTGA		2600
	4: 2564	CIVIL COLLING	01010011011	110001001110	2000
GAATAGAATA		AGAATGTGAC	TCTTACATGT	AATGGGAACA	
ATTTCTTTGA		ACCAAATGGT	TCCACAATGG	CAGCCTTTCA	2700
		GAATATTGTG	AATGCCAAAT	TTGAAGACAG	2700
GAAGAGACAA	ATTCAAGITT	GAATATIGIG	G	1 I GAAGACAG	
THE CANADA	7 7 7 TO CT C 7 C C	л <i>с</i> сллслл <i>с</i> п	_	CNNCCTCTCT	2800
TGGAGAATAC	AAATGTCAGC	ACCAACAAGI	TAATGAGAGT	GAACCIGIGI	2000
7 CCTCC7 7 CT	CMMC3 CMCCM	N N CHIMCC N CC	A		
ACCTGGAAGT		AAGTTCCAGG	GATATGGAAA	TACAGATCTC	
man maman aa	281	-	~~~~~~~~		2000
TCATGTGAGG		CTGAAGATGG			2900
GGGTTAGGAC	ACCAGAGTGG	GATTCAAGGC	CTCTCATTTT	TAAGACCCCT	
			C		0000
GCATTGGCTG	GGCACAGTGG	CTCACGCCTG	TAATCCCAGC		3000
				A	
GCTGAGGCAG	GTGGATCACG	AGGTCAGGAG	ATCGAGACCA		
				A	
ATGGTGAAAC	CCCATCTCTG	CTAAAAAATA		AAATTAGCCG	3100
GGCGTAGTGG	TGGGCACCTG	TAGTCCCAGG	TACTCGGGAG	GCTGAGGCAG	
GAGAATGGTG	TGAACCCAGG	AGGTGGAGGT	TGCAGTGAGC	TGAGATCACG	3200
CCACTGCCCT	CCAGCCTGGG	CTACAGAGCA	AGACTCCGTC	TCAAAAAATA	
AATAAATAAA	TAAAAAAGAC	CCCTGCATCT	CTTTTCTTCT	ACCCCCTTCC	3300
CTTTTGATTA	CTTGTATGCC	TTCTTTCAAT	ATTCTAGTCA	TCTCTCAATA	
TTATTCCTCC	ACCCTATTTT	CCTCTATCTT	TTCTGCCTAG	ATTCAGGTAT	3400
ATATTATGTG	GTCAAACAGC	ATGACATATA	TGTGAACATT	TCAAAGAGCT	
		AAAGGTTTGA		TGCTCTGCAT	3500
		AATATTAGGT			
ATATCTGGGT	ACATTTCCTT	ATGTCCTCTG	TTGTTACTTA	AGAACACATA	3600
TTTCATGCTT	GTTTCATTTT	TATCACTCCT	ACTGCCAACA	AATAGCATAG	
CATGCTTAGG	CACATGTGGC	TTAATTAGCA	AATGTTGAAT	AAACAAATTA	3700
ATGATTTTGA	ATAGTGACCA	ATAGGTCTCT	TTTATACTCT	ATATTTTTCT	
CTTGAGTGAA	AAAAAATGTT	TCAACCTCCA	TATGTAAATT	CCAAACACAA	3800
ACTAAAGCAA	TGTAGAATAG	CTTCTTTATT	CCCTGGAGTA	GGTTCTAGAG	
AAGTCCTAAA	GGATTGGTCC	TAAATTAATT	ATGCTTATTA	TGCTAGCGAT	3900
ATTTCCTTTC	AAAATTCTCC	TTTAATGAAT	GCTTTTTAAT	TTTTACAAAA	
GCATTAACCA	TAGAATGTGA	TTCTTGTCTT	TCACTGACTC	ATTAGTGACA	4000
AATATTTGTT	GAGTACCTAC	CAACTCCTAA	GTATTGCTAC	CAACTCCTAA	
ATACTGTGTT	GGGCATTCAG	AATAGAATGT	AGAACTAGAC	AGGGTCCCTG	4100
ACTTCTTGGA	GCACAGAGCA	GTATGGGAAG	AGGACATTAA	ATAAAGAATT	
ACATAAGTAA	TTAATTTAAA	TTATACATGT	TTTGAAGAAG	TTTTTTTTTG	4200
ACAACTATAA	TTAACACTAG	AACTGGGAAG	TTTCTATAAG	GTAAGAGAGG	
ACAAAATAGA	CACTCTCCTA	AGCTAAAATT	CCCAAGAAAG	ACTGTTTATT	4300
TTCCCCTAAC	TAACTAGAAC	TAGCAACAGA	AGATCTGAAA	GGAATTCTGG	

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CTTTCAAGTG	TTCCATGTAT	GGACTCATCA	GGGAGGTCCG	AGAGGCTTTG	4400
	CTGACTTTTC	AGGAGGGGAA		AATACACAAG	
ACAGGCTCTA	AGCATTATTT	TGTGCCCTTT	AAAAATCCAC	TTTATGAGCC	4500
AAAAAGTGAG	TTAATGATAA	TTCATAGTTT	CTGACACATG	CTCTATGCGT	
GGCTCTCTTT	TCTCTATTCA	TTCTCTCTCT	CTTCATTTAT	TGTTAAATAA	4600
A	. 01 01111 1 011	1101010101			
ATAATGTAAT	GAATGTTCTT	CAGACTGGCT	GCTCCTTCAG	GCCTCTGCTG	
[exon	5: 4624				
AGGTGGTGAT	GGAGGGCCAG	CCCCTCTTCC	TCAGGTGCCA	TGGTTGGAGG	4700
AACTGGGATG	TGTACAAGGT	GATCTATTAT	AAGGATGGTG	AAGCTCTCAA	
	GAGAACCACA	ACATCTCCAT	TACAAATGCC	ACAGTTGAAG	4800
		ACGGGCAAAG	TGTGGCAGCT		
1101101001110	011101110101	T			
TCTGAGCCCC	TCAACATTAC	TGTAATAAAA	GGTGAGTTGG	TAAAGGAAAG	4900
	488				
GAAAAGCATC		GAAGGAAGAG	AGAACTTCTG	AGCCTGAGCA	
		GGCACCTGTG			5000
01100110011	0111011110000			T	
GACTTGCAAT	GAGGAGACCT	GGGTGATAGT	ATATATCTCA	ATCTCTGTTT	
	ACTTGTTAAA	TGGTGATAGT	AATACCTGCT	TGCACTATGA	5100
		С			
AATTTTTATG	AAGATTAATG	TGGTAATATT	TGTGAAATGA	CTTTGTAAAC	
TGTTAAGCAC	TACCCAAGCA	TAACAGATTG	TGATTACTAT	TTTGATCTCA	5200
AAGTCATCTG	TTGCTCCTGG	GGGAACACTT	ATATTTATCA	AATTGAAAAA	
	GTTGAATGAA	GAAAGGATAT	AAAGAGCTTG	AGGAGCCCAT	5300
TCCAGCTTAG	GAGGGCTGGG	AAAGGAAACC	AGCAAGTCAG	TAAGCTGTGT	
GCCTGTGTAT	TGAGGGAGGA	GGGAATGGAC		GAGGGTAGGG	5400
AGGTGGACTG	CCTCTATGGC	CTGTAAGAAA	AACTGCTCTC	TCCAAACTCT	
TTATAAGAGA	GGGAGCCTGT	GAAGTATTCA		AGAAAGTTAG	5500
ACTTTTCCTT	CACACACTTT	GTACATAATA		AAGCATGAGG	
TCAAAATACA	TAATTAAGTC	CTAGCAGTTC		AATTTGAGAC	5600
TGAAGTGCTA	TGTACTTGTC	TCTAGGCTTC		ATCTGTAAAA	
CAGAATATTT	GGTCTAGATT	CCATTAGAAT		CTTAAAAAAT	5700
ATATTGATGC	TCATGTCTCA	TTTCTTGAGA		ATTGGTTTGG	0.00
GGTGCAGCCT	GGGTATACGT	ATTTTTCATA		ATAATGGTAA	5800
	ATATTGAGAA	TCACTTGTCT	AGGTGATCTT	TAAATGATTT	
CTGGATGTAA	TATTCTGAGG	CTCTATAATT	TGAGACTAAT	CACAAAAATC	5900
		TAACAGAACC			0500
		TTCTTCATTT			6000
		TAGGCATTGA			0000
		TATATGTGAA			6100
		ATTGTCTTCC			0100
		ATGCTTAGGA			6200
		CTAGTGTTAA			0200
		TAAAAATGAA			6300
		GAACCTCATT			0000
		TGTTCCACTA			6400
	6: 6384	101100110114	2.100100000	2 02202210 2210	0100
		ATTGTTGGTG	GTGATTCTCT	ͲͲϾϹͲϾͲϾϾΔ	
		CTCAGCAGCA			6500
		TTCAGACTTC			0500
TANOMONAC	CAUCAAAOUC	TICAGACTIC	A	TOUTANGUCA	
AACCCCAAAA	АСААСТСАТА	TAATTACTCA		GCAACATTAG	6600
121000014414	656			2012101111110	5000

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TTTTTTTCCA	GCATCAGCAA		ATTGTCAAAC		
		C		G	6700
ATATACATAG	AAACGTCTGT	GCTCAAGGAT	TTATAGAAAT	GCTTCATTAA	6700
ACTGAGTGAA	ACTGGTTAAG	TGGCATGTAA	TAGTAAGTGC	TCAATTAACA	
	A				
TTGGTTGAAT	AAATGAGAGA	ATGAATAGAT	TCATTTATTA	GCATTTGTAA	6800
AAGAGATGTT	CAATTTCAAT	AAAATAAATA	TAAAACCATG	TAACAGAATG	
CTTCTGAGTA	TTCAAGGCTT	GCTAGTTTGT	TTGTTTGTTT	TCTACTAAAG	6900
GCAAGGACCA	TGAAGTTCTA	GATTGGAAAT	GTCCTCTCTT	GACTATTGCA	
AGTGCGATCT	AGGAATGAAA	AGACATAGGA	GGATGCCAGT	GAGGTGGATC	7000
ATTTTTATGC	TTCTTCTTCA	GCTTACTAAA	TATGAACTTT	CAGTTCTTGG	
CAGAATCAGG	GACAGTCTCA	AGACATAGGA	CTCTCAGGAT	GAAGTAGAGT	7100
CCAGGATTCC	TCTGTGATTG	TTTTGCCCCT	CCCAAATTTA	TATCTTGAAC	
TTATGTCTTG	TATCTTTATA	CAGCACCTGA	ACCAAGCATT	TTGGAGAAAT	7200
TCCAGCTAAT	AATAATAACC	AAAACCTTCG	GCTCTGAAAA	CAGTCCAGGA	
CTGAATAAGA	TCTTGGGCAA	AAGAACTAGA	CAGTTTTGGT	TTATTTTCCC	7300
TTTCATTTTA	TGTCTTCATC	ATAGTCATTG	GAGGCTCATT	CTTCTTGTCA	
TGGAGTAAAT	GGGATTAAAG	TT			7372

## 5/6 POLYMORPHISMS IN THE CODING SEQUENCE OF FCER1A

ATGGCTCCTG	CCATGGAATC	CCCTACTCTA	CTGTGTGTAG	CCTTACTGTT	7.00
CTTCGCTCCA	GATGGCGTGT	TAGCAGTCCC	TCAGAAACCT	AAGGTCTCCT	100
TGAACCCTCC	ATGGAATAGA	ATATTTAAAG	GAGAGAATGT	GACTCTTACA	
TGTAATGGGA	ACAATTTCTT	TGAAGTCAGT	TCCACCAAAT	GGTTCCACAA	200
TGGCAGCCTT	TCAGAAGAGA	CAAATTCAAG	TTTGAATATT	GTGAATGCCA	
AATTTGAAGA	CAGTGGAGAA	TACAAATGTC	AGCACCAACA	AGTTAATGAG	300
G				*	
AGTGAACCTG	TGTACCTGGA	AGTCTTCAGT	GACTGGCTGC	TCCTTCAGGC	
A					
CTCTGCTGAG	GTGGTGATGG	AGGGCCAGCC	CCTCTTCCTC	AGGTGCCATG	400
GTTGGAGGAA	CTGGGATGTG	TACAAGGTGA	TCTATTATAA	GGATGGTGAA	
GCTCTCAAGT	ACTGGTATGA	GAACCACAAC	ATCTCCATTA	CAAATGCCAC	500
AGTTGAAGAC	AGTGGAACCT	ACTACTGTAC	GGGCAAAGTG	TGGCAGCTGG	
		T			
ACTATGAGTC	TGAGCCCCTC	AACATTACTG	TAATAAAAGC	TCCGCGTGAG	600
AAGTACTGGC	TACAATTTTT	TATCCCATTG	TTGGTGGTGA	TTCTGTTTGC	
TGTGGACACA	GGATTATTTA	TCTCAACTCA	GCAGCAGGTC	ACATTTCTCT	700
TGAAGATTAA	GAGAACCAGG	AAAGGCTTCA	GACTTCTGAA	CCCACATCCT	
1021101111111				A	
AAGCCAAACC	CCAAAAACAA	CTGA			774
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# 6/6 ISOFORMS OF THE FCER1A PROTEIN

MAPAMESPTL	LCVALLF.FAP	DGVLAVPQKP	KASTNEEMNK	TEVGEMAITI	
CNGNNFFEVS	STKWFHNGSL	SEETNSSLNI	VNAKFEDSGE	YKCQHQQVNE	100
			R		
SEPVYLEVFS	DWLLLQASAE	VVMEGQPLFL	RCHGWRNWDV	YKVIYYKDGE	
N					
ALKYWYENHN	ISITNATVED	SGTYYCTGKV	WQLDYESEPL	NITVIKAPRE	200
		M			
KYWLQFFIPL	LVVILFAVDT	GLFISTQQQV	TFLLKIKRTR	KGFRLLNPHP	
. —				K	
RDNIDRNINI					257